

WHAT IS CLAIMED IS:

1. A sealing structure of a sliding roof of a motor vehicle for sealing between a titlable sliding roof and an opening portion of a roof panel,

5 comprising:

an annular frame member which is secured along the opening portion of the roof panel;

an annular roof panel main seal for contacting a lower surface of a periphery of the sliding roof when the sliding roof is closed; and

10 a roof panel sub-seal for contacting side edges of the sliding roof when the sliding roof is closed, said roof panel main seal and said roof panel sub-seal being attached to said annular frame member.

2. A sealing structure as claimed in claim 1, wherein the sliding roof is
15 composed of one of at least two glass panels and at least two transparent synthetic resin panels, which are arranged longitudinally of the vehicle body.

3. A sealing structure as claimed in claim 1, wherein said roof panel
main seal includes a flat plate-shaped base portion for attachment to said frame
20 member, and a tubular seal portion protruding upwardly of said base portion into an arc-shaped configuration, said roof panel sub-seal is straight and includes a base portion having a generally U-shaped cross-section, and a tubular seal
portion protruding inwardly of said base portion into an arc-shaped
configuration.

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4. A sealing structure as claimed in claim 1, wherein said roof panel

main seal includes a flat plate-shaped base portion for attachment to the opening portion of the roof opening and a tubular seal portion provided integrally with said base portion, a double-sided adhesive tape is bonded to a surface of said base portion, which is opposite to said tubular seal portion, said
5 base portion is attached to the opening portion with said double-sided adhesive tape, and said double-sided adhesive tape includes a curved double-sided adhesive tape for attachment to a corner of the opening portion, which has the same curvature as that of said corner of the opening portion.

10 5. A sealing structure as claimed in claim 4, wherein said double-sided adhesive tape further includes a straight double-sided adhesive tape for attachment to a straight part of the opening portion, and said curved double-sided adhesive tape and said straight double-sided adhesive tape are bonded such that side edges of ends thereof contact each other at a joint
15 thereof.

6. A sealing structure as claimed in claim 4, wherein said double-sided adhesive tape further includes a straight double-sided adhesive tape for attachment to a straight part of the opening portion, said curved double-sided
20 adhesive tape and said straight double-sided adhesive tape are bonded such that ends thereof face each other with a space therebetween, and a short double-sided adhesive tape is further bonded so as to extend in parallel with and adjacently to said ends of said curved double-sided adhesive tape and said straight double-sided adhesive tape, and cover said space therebetween.

25 7. A sealing structure as claimed in claim 4, wherein said double-sided

adhesive tape further includes a straight double-sided adhesive tape for attachment to a straight part of the opening portion, said curved double-sided adhesive tape and said straight double-sided adhesive tape are bonded such that ends thereof face each other with a space therebetween, and another short double-sided adhesive tape of which one end is flat and the other end bends into an L-shaped longitudinal section is bonded to cover said space between said ends of said curved double-sided adhesive tape and said straight double-sided adhesive tape such that said flat end of said another short double-sided adhesive tape contacts one of said ends of said curved double-sided adhesive tape and said straight double-sided adhesive tape, and the other one of said ends of said curved double-sided adhesive tape and said straight double-sided adhesive tape contacts said the other L-shaped end of said another short double-sided adhesive tape in parallel with each other.

8. A sealing structure as claimed in claim 1, wherein the sliding roof includes a plurality of sliding panels arranged longitudinally of a vehicle body, a panel seal is provided to seal between adjacent sliding panels, said panel seal includes a rear seal and a front seal, said rear seal has a base part for attachment to a front edge of a rear-side sliding panel, and a seal wall formed integrally with said base part so as to protrude upwardly therefrom, said front seal is provided on the front side of said rear seal, and has a base part which extends in parallel with said base part of said rear seal, and a seal wall formed integrally with said base part so as to protrude upwardly therefrom, and a connecting part for connecting said base part of said rear seal and said base part of said front seal, said rear seal, said front seal and said connecting part define a U-shaped drain channel, and said seal walls of said rear seal and said

front seal are arranged so as to contact a rear edge of the sliding panel on the front side of said panel seal, thereby effecting double sealing.

9. A sealing structure as claimed in claim 8, wherein said rear seal has
5 a plurality of depressions in an upper surface of said base part so as to extend in a longitudinal direction thereof.

10. A sealing structure as claimed in claim 8, wherein said base part of
said rear seal, said base part of said front seal, and said connecting part are
10 composed of a solid material, and said seal wall of said rear seal and said seal wall of said front seal are composed of a sponge material.

11. A sealing structure as claimed in claim 8, wherein one resin
moulding is mounted on a front edge of the sliding panel on the rear side of said
15 panel seal, and another resin moulding is mounted on a rear edge of the sliding roof on the front side of said panel seal, said base part of said rear seal is attached to said one resin moulding, and said seal wall of said rear seal and said seal wall of said front seal respectively contact said another resin moulding when the sliding panel is closed.

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